# WASHINGTON STATE BUILDING CODE COUNCIL APPLICATION FOR REVIEW OF A PROPOSED STATEWIDE AMENDMENT TO THE WASHINGTON STATE BUILDING CODE

2012 Code Adoption Cycle

Log #	13-E03
	(office use only)

## PLEASE FOLLOW INSTRUCTIONS ON PAGE FIVE

1. State Building Code to be Amended:		
[ ] International Building Code	[X] State Energ	y Code
[ ] International Existing Building Code	[ ] Internation	al Mechanical Code
[ ] ICC ANSI A117.1 Accessibility Code	[ ] Internation	al Fuel Gas Code
[ ] International Residential Code	[ ] NFPA 54 N	National Fuel Gas Code
[ ] International Fire Code	[ ] NFPA 58 I	iquefied Petroleum Gas Code
[ ] Uniform Plumbing Code		
Section406.2 Option 3a	Page	
2. Applicant Name (Specific local government, orga	nnization or individu	ıal):
Gary Nordeen, Washington State University	Energy Program	
3. Signed:  Jany Norder Sr. Bldg. Sci	ence Spec.	2/14/12
Proponent	Title	<u>2/14/13</u> <b>Date</b>
4. Designated Contact Person:		
_Gary Nordeen		Science Specialist
Name	Title	
Address: 905 Plum Street SE		
_Olympia, WA 98504-3165		
Office <b>Phone:</b> (360) 956-2040	Cell:()	
E-Mail address: nordeen@energy wsu edu		

**Proposed Code Amendment**. Reproduce the section to be amended. Underline all added language, strike through all deleted language. Insert any separate new sections in the appropriate place in the code in order to continue the established numbering system of the code. If more than one section is proposed for amendment or more than one page is needed for reproducing the affected section of the code, additional pages may be attached. (Please indicate number of additional pages below)

Code WSEC		<b>Section</b> <u>R406.2 (3a)</u>	Page		
Amer	nd section to	o read as follows:			
	3a	HIGH EFFICIENCY HVAC EQUIPMENT 3a: Gas, propane or oil-fired furnace with minimum AFUE of 95% 93%	<del>0.5</del> <u>1.0</u>		

equipment type and the minimum equipment efficiency.

Are additional pages attached?

Yes

No X

Please note number of additional pages:

Log #	13-E03
	(office use only)

Supporting Data for Statewide Amendment Proposals This information is required for all statewide amendment proposals. <u>Attach supporting documentation</u>, as necessary; incomplete proposals will not be accepted.

The SBCC requires supporting data on any amendment proposal to show:

- a. That it meets basic criteria See Part I to specify how this proposal meets the criteria for code amendment.
- b. The intended effect—See Part II to describe the purpose of the proposed amendment, including the benefits and the problems addressed.
- c. The potential impacts or benefits on business—See Part III/Types of Construction, to explain how methods in construction businesses, industries and services would be affected.
- d. The potential impact on enforcement procedures, See Part III/Types of Services Required, to provide some analysis of the impacts on code enforcement in local jurisdictions.
- e. Economic costs and benefits Use the Table in Part IV of this form to estimate the costs and benefits of the proposal on the construction industry, the user and/or public, the enforcement community, and operation and maintenance.

## Part I & Background information on amendment.

Code References: <u>R406.2 (3a)</u> T	Title: WSEC
Related codes: None	(Does this amendment change other related codes?)
Proponent: Gary Nordeen	Phone: <u>360-956-2040</u> Date: <u>2/14/13</u>

**NOTE:** State-wide and emergency state-wide amendments to the state building code must be based on one of the following criteria; please indicate the pertinent rationale for the proposed amendment by selecting from the list below:

- (1) The amendment is needed to address a critical life/safety need.
- (2) The amendment is needed to address a specific state policy or statute.
- (3) The amendment is needed for consistency with state or federal regulations.
- (4) The amendment is needed to address a unique character of the state.
- (5) The amendment corrects errors and omissions.

#### **Part II Amendment Benefit:**

PROBLEM(S) ADDRESSED (Describe the intended effect of the proposed code amendment):

WSEC Table R406.2, option 3a was modified during the 2012 WSEC TAG process and the furnace efficiency (AFUE) was increased to 95% from 92% and the associated credit was reduced to .5 credits from 1.0 credits. This change was based on the premise that the US Department of Energy was raising the minimum furnace efficiency to 90% in heating dominated states which included Washington State. Due to a lawsuit by the American Public Gas Association and ACCA, USDOE has suspended the May 1 furnace efficiency implementation date indefinitely. Allowance of .5 credits for high efficiency HVAC equipment was based on a minimum efficiency of 90% which was the minimum efficiency allowed by the DOE rule. Now the minimum efficiency will remain at 78% the efficiency level and the credit allotment needs correction to remain equivalent with other options.

PRIMARY REASON FOR AMENDMENT: (Describe how the amendment meets one of the criteria listed above)

The amendment is needed for consistency with state or federal regulations.

# Types of Services Required:

List any reporting, record keeping or other requirements. Indicate if equipment, material or services required by this proposal are available from multiple sources. \_\_\_\_No record keeping required. 92% efficient HVAC equipment is widely available.

### Part IV ❖ Amendment Costs and Benefits

	Construction <sup>1</sup>			Enforcement <sup>2</sup>			Operations & Maintenance <sup>3</sup>		
Building Type	Costs	% impact <sup>4</sup>	Benefits <sup>5</sup>	Costs	% impact <sup>4</sup>	Benefits <sup>5</sup>	Costs	% impact <sup>4</sup>	Benefits <sup>5</sup>
Residential									
Single family									
Multi-family									
Commercial/Retail									
Industrial									
Institutional									

See letter to SBCC

<sup>&</sup>lt;sup>1</sup> \$ / square foot of floor area or other cost. Attach data. **Construction** costs are costs prior to occupancy, and include both design and direct construction costs that impact the total cost of the construction to theowner/consumer.

<sup>&</sup>lt;sup>2</sup> Cost per project plan. Attach data. **Enforcement** costs include governmental review of plans, field inspection, and other action required for enforcement.

<sup>&</sup>lt;sup>3</sup> Cost/benefits to building owner/tenants over the life of the project.

<sup>&</sup>lt;sup>4</sup> Cost differential over a specific size project or range of projects as determined by the proponent. Provide sufficient cost and benefit detail to clarify the impact to the Council. All data should be created and referenced to third party reputable sources for verification.

<sup>&</sup>lt;sup>5</sup> Include measurable benefit to the user and/or public from Part II.